

**USE OF CLAY AND LIPID FORMULATIONS TO PROTECT
HORTICULTURAL CROPS FROM SUNBURN AND INSECT DAMAGE**

Abstract of the Disclosure

5 Sunburn and insect damage to fruit and vegetable crops is significantly
reduced by treatment of both fruit and foliage with a preventative amount of
thixotropic smectic clay material, chemically altered to render its surface lipophilic,
which is combined with a wax emulsion comprising a matrix of complex
hydrocarbons, an emulsifying agent and water. In the practice of this invention the
10 sunburn and insect protective composition is further diluted in an aqueous solution
that is sprayable by commercial applicators.

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(57) Abstract <p>Sunburn and insect damage to fruit and vegetable crops is significantly reduced by treatment of both fruit and foliage with a preventative amount of thixotropic smectic clay material, chemically altered to render its surface lipophilic, which is combined with a wax emulsion comprising a matrix of complex hydrocarbons, an emulsifying agent and water. In the practice of this invention the sunburn and insect protective composition is further diluted in an aqueous solution that is sprayable by commercial applicators.</p>		